

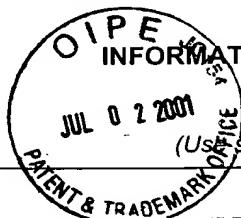
Form PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

077056-0318

SERIAL NO.

09/724,279



INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT

Hillman, Michael D. et al.

FILING DATE

11/28/00

GROUP ART UNIT

3634

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
Bj	A1	6,003,584	12/21/99	Weinreich	160	191	
Bj	A2	6,135,189	10/24/00	Weinreich	160	191	

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JUL 05 2001

TO 3600 MAIL ROOM

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Bj	A3	United States Patent Application 09/229,111 filed on 01/12/99 and listing Robert J. Voss, Kelly L. Murphy, and Otto Kuhar as inventors (20 pages).					
Bj	A4	United States Patent Application 09/835,343 filed on 04/16/01 and listing Otto Kuhar as inventor (24 pages).					
Bj	A5	United States Patent Application 09/450,109 filed on 11/29/99 and listing Zazu Ciuca, Patrick Woods, Roger Palmer, Brian Ruggels, and Otto Kuhar as inventors (31 pages).					

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4/22/02

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Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 77056/318		SERIAL NO. 09/724,279	
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				APPLICANT Hillman et al.			
FILING DATE 11/28/2000				GROUP ART UNIT <div style="font-size: 24px; font-weight: bold; color: black; text-align: center;">RECEIVED</div>			
U.S. PATENT DOCUMENTS							JUN 06 2001

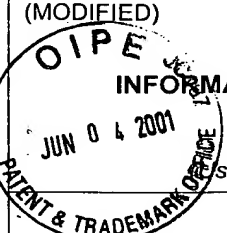
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE MAIL ROOM APPROPRIATE
by	A1	6,149,094	11/21/2000	Martin et al.	242	373	
	A2	6,095,222	08/01/2000	Voss	160	84.05	
	A3	6,079,471	06/27/00	Kuhar	160	170 R	
	A4	6,056,036	05/02/00	Todd et al.	160	84.05	
	A5	6,029,734	02/29/00	Wang et al.	160	170 R	
	A6	6,024,154	02/15/00	Wang et al.	160	170	
	A7	6,012,506	01/11/00	Wang et al.	160	170	
	A8	5,855,235	01/05/99	Colson et al.	160	121.1	
	A9	5,706,876	01/13/98	Lysyj	160	84.05	
	A10	5,531,257	07/02/96	Kuhar	160	168.1	
	A11	5,485,875	01/23/96	Genova	160	168.1	
	A12	5,482,100	01/09/96	Kuhar	160	170	
	A13	5,413,161	05/09/95	Corazzinni	160	7	
	A14	5,391,967	02/21/95	Domel et al.	318	254	
	A15	5,363,898	11/15/94	Sprague	160	98	
	A16	5,320,154	06/14/94	Colson et al.	160	121.1	
	A17	5,318,090	06/07/94	Chen	160	171	

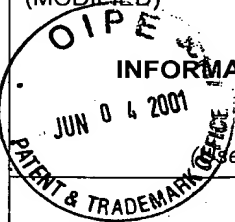
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
by	A18	2 262 324 A	06/16/93	United Kingdom				X
	A19	DE 40 03 218 A1	08/14/91	Germany				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	

EXAMINER <div style="font-size: 24px; font-family: cursive;">J. Hansen</div>	DATE CONSIDERED <div style="font-size: 24px; font-family: cursive;">4/22/02</div>
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 INFORMATION DISCLOSURE CITATION (use several sheets if necessary)				APPLICANT Hillman et al.		RECEIVED JUN 06 2001	
				FILING DATE 11/28/2000			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	TO 360 MAIL ROOM DATE IF APPROPRIATE
Bj	B1	5,313,998	05/24/94	Colson et al.	160	84.1 D	
	B2	5,274,357	12/28/93	Riordan	340	550	
	B3	5,228,491	07/20/93	Rude et al.	160	171	
	B4	5,184,660	02/09/93	Jelic	160	171	
	B5	5,170,830	12/15/92	Coslett	160	84.1	
	B6	5,157,808	10/27/92	Sterner, Jr.	16	197	
	B7	5,141,041	08/25/92	Katz et al.	160	84.1	
	B8	5,133,399	07/28/92	Hiller et al.	160	171	
	B9	5,105,867	04/21/92	Coslett	160	84.1	
	B10	5,103,888	04/14/92	Nakamura	160	171	
	B11	5,083,598	01/28/92	Schon	160	84.1	
	B12	5,067,541	11/26/91	Coslett	160	84.1	
	B13	5,054,162	10/08/91	Rogers	16	198	
	B14	4,984,617	01/15/91	Corey	160	84.1	
	B15	4,955,421	09/11/90	Torti	160	243	
	B16	4,886,102	12/12/89	Debs	160	177	
	B17	4,880,045	11/14/89	Stahler	160	84.1	
	B18	4,877,075	10/31/89	Markowitz	160	84.1	
	B19	4,862,941	09/05/89	Colson	160	84.1	
	B20	4,856,574	08/15/89	Minami et al.	160	168.1	
	B21	4,852,627	08/01/89	Peterson et al.	160	84.1	
	B22	4,726,410	02/23/88	Fresh	160	84 R	
	B23	4,647,488	03/03/87	Schnebly et al.	428	116	
	B24	4,631,217	12/23/86	Anderson	428	118	
	B25	4,625,786	12/02/86	Carter et al.	160	84 R	
	B26	4,623,012	11/18/86	Rude et al.	160	243	
	B27	4,610,292	09/09/86	Hausmann et al.	160	120	
	B28	4,574,864	03/11/86	Tse	160	259	
	B29	4,487,243	12/11/84	Debs	160	168 R	
	B30	4,398,585	08/16/83	Marlow	160	23 R	
	B31	4,344,474	08/17/82	Berman	160	121 R	
	B32	4,326,577	04/27/82	Tse	160	259	

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 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT Hillman et al.		RECEIVED JUN 06 2001	
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
Bq	C1	4,223,714	09/23/80	Weinreich et al.	160	309	
	C2	4,205,816	06/03/80	Yu	248	266	
	C3	4,157,108	06/05/79	Donofrio	160	263	
	C4	3,817,309	06/18/74	Takazawa	160	84	
	C5	3,756,585	09/04/73	Mihalcheon	267	156	
	C6	3,487,875	01/06/70	H. Shukat et al.	160	84	
	C7	3,485,285	12/23/69	Anderle	160	168	
	C8	3,371,700	03/05/68	Romano	160	84	
	C9	3,358,612	12/19/67	Bleuer	104	173	
	C10	3,194,343	07/13/65	Sindlinger	185	10	
	C11	3,141,497	07/21/64	Griesser	160	170	
	C12	2,874,612	02/24/59	Luboshez	88	60	
	C13	2,824,608	02/25/58	Etten	160	170	
	C14	2,687,769	08/31/54	Gershuny	160	170	
	C15	2,598,887	06/03/52	Burns	160	170	
	C16	2,535,751	12/26/50	Nardulli	160	170	
	C17	2,520,629	08/29/50	Esposito	160	171	
	C18	2,509,033	05/23/50	Carver	160	84	
	C19	2,420,301	05/13/47	Cusumano	160	34	
	C20	2,410,549	11/05/46	Olson	160	34	
	C21	2,390,826	12/11/45	Cohn	160	170	
	C22	2,350,094	05/30/44	Butts	160	114	
	C23	2,325,992	08/03/43	Wirthman	160	29	
	C24	2,324,536	07/20/43	Pratt	160	172	
	C25	2,276,716	03/17/42	Cardona	156	17	
	C26	2,266,160	12/16/41	Burns	156	17	
	C27	2,260,101	10/21/41	De Falco	156	16	
	C28	2,250,106	07/22/41	Lorentzen	156	17	
	C29	2,175,549	10/10/39	Nardulli et al.	156	17	

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Hillman et al.

11/28/2000

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U.S. PATENT DOCUMENTS

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Substitute for form 1449B/PTO

Date Submitted: November 2, 2001

Date Submitted: November 2, 2001

(use as many sheets as necessary)

Sheet	1	of	2
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Complete if Known

Application Number	09/724,279
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Filing Date	11/28/2000
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First Named Inventor	Michael D. Hillman
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Group Art Unit	3634
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Examiner Name

Attorney Docket Number	077056-0318
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Examiner's Initials	Serial Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	6,066,036	Todd et al.	05/02/00	
	A2	6,097,471	O. Kuhar	06/27/00	
	A3	6,095,222	R. Voss	08/01/00	
	A4	6,135,189	S. Weinreich	10/24/00	
	A5	6,149,094	Martin et al.	11/21/00	
	A6	6,234,236	B1 O. Kuhar	06/22/01	

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GROUP 3600

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
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¹ Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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BY	A1	2,609,193	09-02-52	Foster	267	1	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
BY	A2	13,798	07-01-1893	United Kingdom				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BY	A3	"The Theory and Design of Long-Deflection Constant- Force Spring Elements", by F. A. Votta Jr., Lansdale, PA (12 pages).					

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